

## AHEAD TO THE FUTURE

Well, here we are at the end of 1986 and going into our fifth year. It's time for some more "crystal ball gazing."

We see ... the KUG Library growing. Our library of public domain software continues to expand in both CP/M and MS-DOS. Disks will be available in the newer three and one-half inch size for the Kaypro 2000 and others. Your contributions are still coming in and our librarian is working overtime to get them into good KUG order.

We see ... the KUG Bulletin Board continuing to help KUGGERS through telecommunications. Our sysop continues to monitor and answer questions regarding modems, software and the operations of the KUG Bulletin Board.

We see ... our SIG (Special Interest Group) on CompuServe growing with special KUG programs ready to be "downloaded." The special area available for "downloading" is always growing and our sysop is always there to check it. More members will be visiting our SIG in 1987. Just GO KAYPRO. A complete CompuServe telecommunications package is available in both CP/M and MS-DOS.

We see ... more interesting articles contributed to KUGRAM. Articles and letters to KUG are still coming in. The content is becoming more and more important to our members. The choice of operating systems will continue to be on the agenda for quite some time yet.

We see ... more news and tips from Kaypro Corporation. The last couple of issues contained tips from Kaypro technicians. The news from Kaypro is getting more and more interesting. 1987 should be the year of price stabilization. (Much lower, we expect.)

We see ... local user groups becoming more specialized. Some local KUGs are changing their names to include other computers. In most cases these include only CP/M machines.

Our FREE local KUG booklet is still available for a SASE (Self-Addressed Stamped business Envelope).

We see ... dealers becoming more scarce. The VAR (Value Added Reseller) is becoming more important to the manufacturer. The VAR usually sells complete systems to individual businesses. The help we once counted on will become harder to find. The knowledgeable computer dealer is now on the "endangered species" list. Some of our KUG dealers are still offering discounts to members. A list is available for a SASE.

We see ... desktop publishing leading the way in faster, quieter and better-looking printing. Software will continue to become more readily available for laser printers. Prices for printers and software will move into the moderate to low price range. Printers, in general, will become faster and less expensive. A list of printer configurations is still available for a SASE.

We see ... new columns for KUGRAM. A new dBASE tutorial column will be in each issue. CP/M Stuff and MS-DOS Stuff will continue as new ones are added.

We see ... annual KUGRAM indexes for 1987, 1988, 1989 and on and on and on.

We see ... a year filled with new adventures in this great land of KUG. There's more to learn and more to seek than ever before, so come with us and step into the future.



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## KUG Services

|                                       |                    |
|---------------------------------------|--------------------|
| Back Issues .....                     | \$5.00 each        |
| KUGRAM Index .....                    | \$3.00 each        |
| KUGRAM Binder .....                   | \$8.00 each        |
| with Index .....                      | \$10.00            |
| Library disks .....                   | \$10.00 each       |
| ..... 2 for \$15.00 / 4 for \$25.00   |                    |
| Choice of free disk with each renewal |                    |
| Printer config list .....             | SASE               |
| Chapter booklet .....                 | SASE               |
| CompuServe SIG .....                  | At ! - GO KAYPRO   |
| CompuServe starter kit                |                    |
| with modern software .....            | \$35.00            |
| KUG Bulletin Board .....              | 516/747-8308       |
| Ad rates .....                        | Send for Rate Card |
| KUG T-shirts .....                    | \$10.00 prepaid    |
| List of dealers offering              |                    |
| discounts to members .....            | SASE               |
| KUG disk descriptions .....           | SASE 39¢           |

NOTE: All funds are U.S. The term SASE refers to self-addressed, stamped business-sized (#10) envelope. Unless otherwise stated, affix 22¢ postage. When you order give the name and number of the disk(s) you want and your ID#. Send your requests to KUG, Inc., Box 100, Malverne, NY 11565.

Dear KUG,

I have a Kaypro 4-84 which I use for translation work and development of teaching materials in Spanish. I bought the Spanish package with the "blue key" keyboard and Spanish WordStar, and I am pretty happy with the way the keyboard interacts with the CRT.

My problem is interaction with the printer. Last July I acquired an Okidata Microline 192 (IBM compatible) printer. It has a lot of nice features and print styles that I would like to use, but they cannot be accessed through the WordStar dot commands or the "P" print functions within a document. I have to stop the printing process, go through the selection procedure on the printer, and restart the printing to change print sizes, styles, or character sets.

Needless to say, this cumbersome process makes the thought of using a creative mix of print styles and sizes in the same document pretty forbidding. I'd also like to get at that tantalizing continuous underline that sits there teasing me in the printer manual.

Does anybody have a patch program or a reinstallation guide that would allow me to access these things from within the document itself? I would greatly appreciate anybody's help. I feel as if I've bought a new car but can't get it out of first gear! Please answer by airmail.

Steve Irwin  
Apdo. Nal. 260, Fusagasuga  
Cundinamarca, Colombia

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Dear KUG,

I have a problem that some KUGGERS might have an answer for. I have a Spanish daisywheel and have managed to find every key except for the accent mark (') and the double dots (..) that go over a few "u's."

If anyone knows how to get those two keys, I'd like to know about it. I understand that there is a commercial program out there, but for the sake of an accent mark, and to save \$300, I'll try this route first.

Fred H. Smith  
Cosilla 2006  
Guayaquil, Ecuador

Dear KUG,

Help! The Wildlife Center of Virginia is the only professionally staffed hospital for wild animals in the Mid-Atlantic states. Each year our veterinary staff cares for hundreds of wild creatures and our educational staff reaches tens of thousands of people with conservation programs. As a non-profit organization, we depend completely on contributions for our funding.

We presently use a Kaypro 4 and dBASEII for our fundraising and medical records, but alas, we need more memory. We are looking for a Kaypro 10, or, failing that, a peripheral hard disk. Since we operate on a limited budget, we hope to have a machine donated. Of course, all contributions are fully tax-deductible. For anyone who is upgrading, the deduction is usually worth much more than the trade-in and you will be helping save wildlife in the process. Here's hoping a fellow KUGGER can help us out! Call collect to 703/234-WILD.

Ed Clark, Director  
The Wildlife Center of Virginia  
PO Box 98  
Weyers Cave, VA 24486

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Dear KUG,

I would like to give a couple of tips with regard to InfoStar.

ReportStar configures like WordStar 3.0, and the patches follow the same names. The Kaypro 4-84 was shipped with WordStar 3.3, but the ReportStar follows the older system. It has the same symbolic names for patches in the install program. Listing of the old WordStar 3.0 patches are available from various sources, including KUG. If a name is not valid in ReportStar, it will say it is unknown. This lets you access the features such as ^q, ^w, ^E, ^R to make it work with a dot matrix printer. The other option is to output to a file. It uses WordStar/Newword format.

I have heard people say they can only access one file at a time. But both ReportStar and DataStar can access more than one file at a time. The manual is very detailed, just not well referenced.

George W. Richards  
192 Mill Street  
Rochester, NY 14614

Dear KUG,

Thanks for printing the new address and phone number for Thorn EMI Software in the July-Aug KUGRAM. I called them soon after I saw the number and found that technical support for the Perfect series is still back in California — call (213) 305-1012 and ask for Dan Skay (there's an answering machine on line for when he's not in and he really does return your call if you leave your name and number!). By the way, Perfect Software still exists and, I've been told, can be contacted by writing to Perfect Software, P.O. Box 70352, Eugene, OR 97401.

I've got a question for people familiar with The Word Plus spelling checker: Has anyone successfully invoked TW.COM from within a batch-file and not have the batch-file stop after TW has run? I've tried running the individual modules (e.g. SPELL, REVIEW, etc.) separately, but all batch processing stops after the modules are finished. Also, does anyone know how to get TW to write to the update dictionary when it's located in a different user area?

Joel M. Goldberg  
Chemistry Department, University of Vermont  
Burlington, VT 05405

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Dear KUG,

I'm looking for a 1200 baud internal modem to run Mite version 4.06 on my Kaypro 2X. A recent thunderstorm fried my Datasolvers 300 baud, so I'd like to upgrade. Datasolvers no longer makes one, and after at least a dozen calls I've reached a dead end. Anyone know where I might find something compatible?

John Hancock  
PO Box 144  
Elwood, IL 60421

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Dear KUG,

Is there an easy way to prevent Perfect Calc (on a Kaypro II) from giving an extra page feed after it prints a file?

Jerome L. Ruderman  
1309 Kennedy House  
1901 J.F. Kennedy Blvd.  
Philadelphia, PA 19103



Dear KUG,

As I sit here in front of my beloved Kaypro II, with the portable fan aimed directly at the back end, I am forced to admit that I may have a heat problem. I've had a problem with the machine ever since I bought it. The symptoms are disk errors when writing. Specifically, the directory gets hammered. In warm weather this will usually happen after about 30-60 minutes of operation. In the winter I can go for several hours.

Questions: Have you heard of this problem before? If so, what was the fix? I have had the machine serviced three times, once by the Business Computer Store in Reston, and the last two times by Community Computers in Arlington. I haven't been very impressed with either. After cleaning and aligning, the disks work better, but within a day or so, it's back to normal.

I've seen several machines with the cooling fans installed. I know that later versions of II's had a knock out plate in the back, but I don't. All the fixes I've seen have looked as if they were done by a gorilla with a sledgehammer and chisel. Any suggestions?

Sam Alexander  
10109 Commonwealth Blvd.  
Fairfax, VA 22032

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Dear KUG,

Thanks for the article on page breaks. With help from "The Kaypro Connection: Selecting, Installing & Using Peripherals," by Lee F. Ryan and Andrew Townsend, I got my Perfect Writer configured for my new Panasonic. I recommend this very helpful book.

Kaye Pullen  
428 Columbus Ave. 2F  
New York, NY 10024

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Dear KUG,

Thank you for all your efforts. I have received all of the reload programs requested after you interceded on my behalf.

Paul Silver  
1617 J.F. Kennedy Blvd., Suite 256  
Philadelphia, PA 19103

Dear KUG,

I recently came across a little article detailing how to create files in Perfect Writer, "message" those files, and format/print in WordStar. I looked all through my material and can't lay my hands on it. I promised said procedure to a fellow worker and can't deliver. Can anybody out there help me?

Glen I. Henriksen  
PO Box 401  
Thiells, NY 10984

## Free CompuServe Upload Time

CompuServe Information Services is now offering free connect time for customers who wish to upload public domain programs to its data libraries.

CompuServe will issue credits for connect charges as an incentive for subscribers to contribute material.

KUG is still offering a CompuServe starter kit with modern software and five hours of free connect time for \$35.00. Order from KUG CompuServe Offer, Box 100, Malverne, NY 11565.

## Need CP/M Software?

Dynacomp, Inc. has announced that it will not abandon its line of software for the Kaypro, Osborne, Morrow, NEC, North Star, Canon, and other computers. The company says that it has the largest selection of software available for these machines. A 200-page catalog is available free by written request. Contact Dynacomp, Inc., Catalog Department, P.O. Box 18129, Rochester, NY 14618.

## When You Write to Us ...

If you need to contact us because of a problem, please give us specific information that will expedite our finding a solution, such as: your KUG ID#; the issue(s) of KUGRAM in question; the name and number of the disk you requested; the date and number of your check.

## Notice

Because 3 1/2-inch disks are still too expensive to produce, library programs on such disks cannot be offered at discount prices. Please send \$10.00 for EACH 3 1/2-inch disk you order.

## The Reasons Why

Since the start of this publication, we have been receiving letters from members telling us that once in a while something goes wrong with our mailings. Here are some of the complaints:

- \* Received first copies; then a copy skipped.
- \* Received only an ID card but no newsletters.
- \* Joined in July and didn't get mail until Sept.
- \* Sent in renewal but label says LAST COPY.
- \* Disks and binders take too long in delivery.
- \* Already renewed but still get renewal letter.
- \* Moved and didn't get any copies forwarded.
- \* Newsletter sometimes early, sometimes late.

There are many reasons for these things happening. We will try to explain why.

First and foremost, we must tell you that there's no explaining the U.S. Postal System, but we'll try. We don't know why copies of the newsletter are skipped. The P.O. has no explanation. One of the reasons could be that you have a suite or apartment number. The regular carrier may know it and leave your copy in that box. If a new carrier is delivering the mail, he or she does not have to find out your apartment number. The newsletter is just returned to the P.O. and marked "NOT AT THIS ADDRESS." When the mail comes back to us, (which could be as long as ONE YEAR LATER), we DELETE your name and address as undeliverable. At that point you will not receive any more copies unless we hear from you.

When you received your ID card, you probably noticed that it was sent FIRST CLASS. This mail is forwarded to you even if the zip or part of your address is missing. That does not happen with BULK MAIL. The newsletter is mailed BULK and therefore treated as such. That's why it is important for you to check your label for errors and let us know about them QUICKLY. Depending on your local P.O., bulk mail is delivered to you anywhere from three days to three weeks from the time it is mailed. That is the reason the newsletter is sometimes early and sometimes late. Also, bulk mail is NOT FORWARDED when you move.

It is very important that you let us know when you are moving. Send us the old address (the label will be fine) as well as the new -- the sooner the better. Make sure that your new address is correct and complete.

The reasons that disks, back issues and binders are long in delivery vary. Binders, back

issues and CompuServe kits are sent BOOK RATE. That type of mail usually takes three to five weeks for delivery from the P.O. Disks are sent FIRST CLASS, but because of the quantity of requests we receive, we are sometimes out of stock and it can take as long as three to four weeks for you to get them.

Now let's talk about our system and what happens to a renewal or new membership when it arrives at our office.

Although we maintain our own database of members, all fulfillment is handled by an outside lettershop service. It is the same company that prints and mails our newsletter. When you become a member, your membership application with the information you provided is forwarded to the lettershop where it is processed. This could take up to two weeks. Sometimes your application arrives between newsletters and since this is a bi-monthly, it is possible that you may not receive your first issue for three months.

Renewals are handled in the same manner. If we receive your renewal early, you will not miss any issues. However, you may receive an issue with LAST COPY or RENEW printed on the label. You may also get a renewal letter. That is why we had "Disregard This Notice if Paid" printed at the bottom.

## REMEMBER

If you are moving, be sure to send us your new address CORRECT and COMPLETE. Make sure your apartment or suite number is included. Send the label containing your OLD address and ID number along with the new address.

When you are renewing or extending your membership, include all the information printed on your label. If you miss an issue, let us know and we will correct your entry in our database and send you the missing issue.

If you haven't heard from us in a while, let us hear from you so that we can see if you were taken off the list because of a wrong P.O. attempt to deliver.

PLEASE be patient when it comes to disks or other materials you may have ordered. We try to ship disks within two weeks, but since we have started offering disks at discounts and free with renewals, we are very often backlogged with orders.

## THANKS !



## CP/M Hardware Bug Fix

Do you have an 8 bit Kaypro -- one that runs CP/M? If so, you should be aware of a certain hardware bug that seems to afflict many of this species.

If your computer is running amok and if your 90 day warranty from Kaypro has expired, you may be able to save yourself some time and money by fixing your own machine.

In my brief career as service manager at our local Kaypro dealership, I have repaired several IIs, 4s, 2Xs, and 10s crippled by an intermittent glitch which produces erratic disk drive behavior (drives starting and stopping for no apparent reason, for example), keyboard lockup, screen blinkout, and other distressing behaviors that come and go as they please, but often become worse after the machine has been on for awhile (aggravated by heat).

Such intermittent symptoms suggest poor electrical connections, although there are other possibilities, and finding the source of such problems is often very difficult. Fortunately for us, there is a certain particularly infamous cause of such problems on the 8 bit Kaypros.

It's the electrical connections to the power supply. The power supply in these Kaypros is a circuit board full of components that accepts the 120 volt alternating current from your wall socket and converts it to the 5 volt and 12 volt direct current levels that most of the other components in the computer require. Kaypro has used at least three brands of power supplies, but they are all functionally equivalent. I am not sure which, if any, are especially prone to this problem, so I won't name names here.

This type of power supply board presents its finished product, 5v DC and 12v DC, upon a row of 10 steel pins which stick up from one end of the board. Mating to these pins is a plastic female connector that terminates several wires, which in turn convey the power to the main board, to the disk drives, and to the video section. The problem is that some of these steel pins have a tendency to come loose, over time, from their moorings -- resulting in connections that are there sometimes and sometimes not.

The pins are soldered to little tin pads on the underside of the board, and some of those solder joints simply come undone -- from

expansion and contraction of the pins as they alternately heat up and cool, no doubt.

The solution is simply to resolder them -- quite an easy task if you have some experience along that line. If you don't, you might have a friend who can swing it for you. If you do need to take your flaky computer back to the dealer, then you can at least take this article along, in case he's not familiar with the problem.

Here's what you need to do to diagnose and treat this disease. If you're lucky you'll nail it before it gets to your TV and stereo.

First you must find out if your machine is so afflicted. The least intrusive test is to rap (gently now) the side of the case the next time your rig acts up in any of the above described ways. Did the symptoms change in any way (did a disk drive suddenly start/stop spinning, for example)? If so, then your computer is a very strong candidate for this condition. If not, you may want to test further.

If you don't know a circuit board from a school board you should probably stop right here, slip the head protectors into the disk drives, and head for your dealer's tech room. Another reason not to continue would be any extraordinary fear of live electricity, because we will be performing our test not far away from some of that stuff. Otherwise, come on along at least through the next step. Namely: remove any disks and turn your Kaypro off. Now unplug the power cord -- this is important -- from the back of the chassis (or from the wall if you have a real oldie). Place the machine on a table where you have good access to it from all sides, and, with a no. 2 Phillips head screwdriver, remove the 2 screws on the top of the cover and the four screws on each side of the cover. Now lift the cover straight up and off and set it down out of the way. Now find a wooden or plastic stick at least a foot long and fairly sturdy -- a ruler is fine, but there must be absolutely no metal on it.

Now plug the power cord back into the computer, making sure your hands are not inside the chassis, and rock the power switch to on. Pop a diskette into drive A and let the system boot. Now, peer into the right side of your open computer and visually locate the power supply board.

Keep your hands out entirely, because there is potentially dangerous 120v AC house current

<continued on next page>

present -- down at the bottom right, for example, where the power cord comes in, and also very high voltages in the vicinity of the video tube. The power supply board is the only board that's screwed onto the rear of the chassis -- where the handle is. It has lots of relatively big parts on it -- like can-type capacitors and transformers. You'll see the big plastic connector that plugs into the end of the board that's nearest to you. It's usually white, or cream-colored, and about six inches long, and has lots of red, white, green and black wires coming out of it. Right: there's nothing else that looks at all like it.

We want to test the quality of the connections to the power supply -- are they solid or not?

One way to find out is by stressing them a little and observing the computer's response. It's quite easy.

Pick up one end of your non-metallic stick and very carefully insert the other end into the right side of your computer, wending a path through the wires and finally coming to rest against the side of the power supply connector. Push on it, gently, with your stick. You want to push just hard enough to rock the connector which will in turn rock the steel pins in their solder joints. If those joints are bad, or marginal, this should make them immediately worse, and the computer will do something impolite to register its displeasure.

Notice anything? Push again, with one eye on the stick, the other on the screen, the other on the "power" light, and the other on the access lights on your disk drives. You might want to ask a friend for help. Listen to your disk drives. Does one of the motors suddenly leap into action as you put the squeeze on the connector?

Do it several times: press, relax, press, relax... You're looking for a positive and definite correlation between the motion you're exerting and the behavior of your computer.

If nothing is happening, after several tries, you're barking up the wrong connector, and you -- or your dealer, perhaps -- should look elsewhere. (You might try the power connectors that bring red, black, and white power wires to the main board and to the disk drives, before you pack it in.) If, however, your machine is doing electronic kneejerks each time you lean on that connector, then congratulations -- you have found the malady -- or at least one of the maladies.

Whether you continue on from here depends upon your skill at, and interest in, soldering. The next step assumes that soldering is something you have done before, and on circuit boards, not copper pipe. Remove any disks and turn the machine off in any case, and unplug the power cord. If you feel that this is as far as you go, then it's time to screw the cover back on, plug the cord back in, and get to your dealer. Otherwise, warm up your soldering iron and scrub up for some surgery.

It is extremely important, for safety's sake, to have the power cord unplugged, even if you do have the switch off.

Now the hard part -- go off and have supper or something for an hour while the high voltage drains out of the video section. That accomplished, remove the power supply from the machine. Remove the big plastic connector first -- the easiest way is by gently prying it off of the steel pins with a flat-bladed screwdriver. Then cradle the power supply board with one hand while you remove the four screws that secure it to the chassis, and pull it up and out of the computer.

Flip it over and you will see the solder joints that anchor, or used to anchor, the steel pins to their tin pads. Chances are very good that you will see very little solder left on some of the joints -- typically the two at the top edge of the board, which are your Kaypro's source of electricity at 5 volts, its very lifeblood. If you find yourself wondering if there was ever enough solder there in the first place, well me too.

At whichever pads look suspect to you, apply your iron, and melt on some more solder, till you have a joint that will last forevermore. It's that easy. Then bolt the board back in, push the big plastic connector back on to the pins, plug in the power cord, fire the machine up, boot it from disk, and try the stress-test with the stick again. Everything is now steady as a tree stump, no doubt.

You've done it! Power off, pull the power cord, screw the cover back on, pop the power cord back in and you're done, ready for another 900,000 kilobytes of computing pleasure. Now about those growling disk drives ....

Warren Allen  
NesTech Corp.  
439 Main Street  
Bennington, VT 05201



## CP/M Stuff

We have discussed many ways to use SUBMIT. This time we will tell you how to make SUBMIT show you a directory, allow you to choose the program you want to run from that directory, and finally show you how much space is left on the disk.

To get started you must have the following files on your disk:

SUBMIT.COM  
MBASIC.COM  
STAT.COM  
FILE.BAS (One or two MBasic programs)  
TEST.SUB (The file you will now construct)

Using ED or your favorite word processor, create the following in non-document mode:

DIR A:\*.BAS  
MBASIC \$1  
STAT A:

Save this file as TEST.SUB on your disk in A:.

Did you notice something different in this new file that we never did before?

Right! What's the \$1 doing there?

Well, let's take it line for line.

DIR A:\*.BAS will display all your BASIC files on drive A:

MBASIC \$1 will start Mbasic AND the program you want to run at that time. You'll soon see how.

STAT A: will show you the amount of room you have left on the disk.

O.K., let's run the submit file. At the A> prompt type:

SUBMIT TEST FILE <return>

Notice that you have the option to use any MBasic filename after the word TEST. The \$1 represents a holding place for your file name.

If you want your MBasic program to be "saved" and then STATED automatically, be sure to use the following at the end of your MBasic program:

SAVE "FILE"  
SYSTEM

## Farsight -- A Software Review

Farsight, an integrated program for PCs, is a first class word processing package and a super spreadsheet. Why is it super? It is a Lotus 1-2-3 clone. And all for \$99! That's what got my attention in the first place.

The Interface Technologies Corp. ad says that the Farsight spreadsheet uses the same commands as does 1-2-3. Actually, Farsight uses stroke-saving features that often make the construction of a spreadsheet significantly easier and faster. For instance, a typical 1-2-3 command is /RF,2 (slash, range, format, comma, 2, enter) which would establish the current cell with two decimal places and commas in the appropriate locations. The Farsight command would be (menu)RF,2) where menu is the function key F3. So for old hands who know 1-2-3, Farsight is a "piece of cake." Alt-F6 takes you to the "other window" when you split your screen; F6 is reserved for more important things like moving between open document windows. Yes, you can have multiple open spreadsheets or documents and can jump from one to the other in a trice. There are about 50 built-in functions, including @NPV (net present value of a cash flow), @PMT (payment amount for a specified principal amount), and @PV (present value of an annuity) for your financial buffs.

Farsight's main components are CALC (spreadsheet) and WORD (word processor), integrated in such a manner that one can include tables from the CALC component in the WORD component, and vice versa, using a "cut and paste" technique. Unlike 1-2-3, there is no graphing capability, but one is said to be in the making. Documents can be spooled for printing and printed from the print queue while one edits still another document. There is a mailmerge function similar to that provided by WordStar. The CALC component provides a database capability complete with sorts and searches.

Farsight provides for user-assigned keys and for user-defined macros. Through its F2 (edit) key it permits the renaming, deleting, copying, and searching of files.

Farsight has exceeded my expectations. It's a great package at a great price! Requirements for use include at least two 360k floppies, DOS 2.0 or higher, and 256k RAM (more is better).

John B. McClellan  
522 Short Street  
Tallahassee, FL 32308

## SpeedStar+ Review

by Jack Ellis

For years people have been coming up with ways to make WordStar do the things its creators at MicroPro left out. SpeedStar+ is a neat little program that offers some of the best WS enhancements around, and what's more, it's completely automatic. Usually to change WordStar you would have to do some "patching," which means getting into WS.COM's innards. With programs such as DDT.COM, PATCH.COM, or ZAP.COM, not only can you look at these codes, but you can change them. That is, if you know what to change to what. It isn't as difficult as it sounds, but a "debugging" session can be tedious and time consuming. But with SpeedStar+ all you have to know how to do is type (two fingers are acceptable)!

SpeedStar+ offers 15 enhancements (four that you can do directly through Winstall, but nowhere near as easily), with a total of 30 options in all. To begin, you type "speed," and a menu appears listing all the options. To execute one, you type "p<space>n," where "n" corresponds to the option number on the menu, and voila! A bunch of hex codes roll onto the screen, and within a minute or two (depending on which option you choose), the SpeedStar+ menu returns and you can install another enhancement.

For me, the most valuable enhancements were the ones that speeded up WordStar. Option #1 loaded WS in under seven seconds on my Kaypro 2X, eliminating the large MicroPro logo, and speeding up a number of internal operations including block moves. Option #2 auto-logged directly to the B drive from start up. Option #5 defaulted WS to double spacing. And Option #6, a spooler, enabled me to print one file while editing another. Together, these four improvements alone were worth the price of the program.

Option #3 enhances scrolling, but as the manual points out, with inverse video on and a help level of 3, there's a distracting flickering of the menus. With 0 help level only the ruler line flickered, which was quite acceptable. With half-intensity video the flickering was less obtrusive. Option #4 changed the command for deleting a line from ^Y to ^Y^Y, a nice safeguard. Option #7, #7 (more on this later) and #8 gave me the option of half-intensity video, inverse video, or no video at all (these patches affect only Kaypros with graphics

screens). Option #12 defaulted WS's help level to 0, eliminating all help menus. Options #13 to #15 turned justification, hyphen help and page numbering off.

Option #11, "SPECIAL.COM," enables you to use a program of your choice to run through WordStar's "S" option. You simply rename the program you want to run to "SPECIAL.COM." I tried it first with The Word Plus word counter, WC.COM, then with TW.COM, the spelling checker. Both ran without a hitch, and after each was done I was automatically returned to the file I had just checked.

The only options that didn't work were #9, which was supposed to allow multiple line headers and footers, and #10, which was supposed to allow an embedded printer command of my choice. The manual said #10 wouldn't work on all printers, but I could not get #9 to work either. I suspect in both cases it was my Diablo-compatible Commodore 6400 that wouldn't cooperate.

Options #-1 to #-15 reverse the procedure, re-installing the first 15 patches back to WordStar's original defaults. You'll still have to use Winstall to change default settings for such things as page offset and margins, and when you do, you'll really appreciate SpeedStar+'s ease of operation.

The manual walks you through the set-up operation, which includes preparing the SpeedStar+ working disk. You'll need a copy of PIP.COM and DDT.COM, (which you should find on your CP/M master disk) along with WS.COM and its two overlay files, WSOVL1.OVR and WSMGS.OVR. SpeedStar+ must be used before installing other programs (such as The Synonym Finder) that alter the size of any of these three files. Section Two describes each of the enhancements. A read.me file indicates that the user can create a second "user" menu for additional options.

This program is unusual in that it isn't written in any specific language, but rather takes advantage of some of the hidden power of CP/M's submit program to batch load all the instructions and code needed to execute the various options.

The version I tested was for CP/M Kaypros with two drives. An MS-DOS version will soon be available. SpeedStar+ is easily worth its list price of \$29.95 (plus \$2.50 for shipping and handling; NY State residents add 8% sales tax) from MBM, Box #A97, Wantagh, NY 11793.



## Should You Upgrade to Kaypro 1?

by Lew Diehl

of KUDO, Kaypro Users of Dayton, Ohio

Kaypro has been making some nice price offers on its Kaypro 1, and some KP II users may be wondering if upgrading would be worth the cost. Here are some notes from one who made the move and has a little experience now with two separate K1s (at home and at work):

You'll find the keyboard and housing identical. Different makes of half-height drives will be found in different machines. Head solenoids in one KP 1 that I use make a distinct clicking sound in operation, but the drives are otherwise quiet. Drives in the other are very smooth and quiet, period.

The other difference immediately sensed is the improved screen quality. While my old KP II characters on the screen had a rather obvious dot-matrix sort of appearance, only long diagonal parts of characters seen on the new screen have any hint of dots. Overall, they are much more clear and crisp in comparison, and on close inspection remind me of the modified 7-bar display on an '85 Cougar's speedometer. The screen supports nice solid lines or backlighting if you have a program that uses it, such as the "dutil" file included on the operating system disk. It is nicely framed and uses backlighting to indicate your menu selections within its formatting, sysgening, and copying functions.

Now for the good news... You have twice the disk capacity on a machine that operates almost twice as fast. But you will see a better difference than just that! Even if I cut that time in half, KP II swapping seems to have taken eons. With the KP 1, it seems that no matter how big the file is, the "swapping" indicator lasts just for an instant, and the cursor is ready to go again immediately. No waiting until the drive has finally stopped! It's almost as fast for saving. You'll find you can go through a series of commands, reads, writes, and screen changes, if you are fast enough, without the drives ever getting to stop.

Having twice the storage space on a data disk is one thing, but it's a big improvement for an old SS operator when he's able to use some utilities, MBasic with a printer font setting program, and Perfect Writer with a bigger than average swap file without ever rebooting an A disk.

But here's a strange difference -- I can no longer write-protect my Perfect Writer and Calc program disks from misdirected data. If there is a write protector on there, I'll get a BDOS error with the first attempted swap. (What seems stranger when you think about it is how the KP II wrote data to the swap file with the protector on.)

Here's another tip that will save the prospective upgrader a lot of tears and bad words -- don't let your old KP II CP/M disk with its utilities get lost. Sysgen a copy to run on the KP 1, because you'll need it for a long time. The KP 1's operating system/utilities disk cannot pip FROM your old SS formatted KP II disks to either SS or DS, although it will pip FROM a DS to either. On the other hand, loading the KP II's CP/M and its pip will let you transfer files FROM SS to either SS or DS.

The bottom line is: I did it and I'm glad. As long as I don't write-protect my Perfect disks or use the wrong disk to pip, I don't see BDOS errors any more, as I used to when I waited too long to save. And not waiting so long for the machine to catch up, or to reboot so much, is better for the nerves and blood pressure.

## The Electronic Grapevine

by Carl Speed of KUGBB

I didn't realize until today just how quickly a message left via an electronic BBS could get around... Or just how damaging a review, left UNUpdated, could be.... Anyway, it seems the message I left here several months ago praising a new product as well as pointing out its shortcomings (my opinions, of course) has found its way onto several other BBSs, newsletters (including KUGRAM). Not to worry, since I was expressing my opinion, right? Wrong! Despite my good intentions, I left a job only half finished. Some of the "shortcomings" mentioned in my message have now been corrected by the software developers who use this type of feedback to continue to improve their already great products. Sales of their improved products can still be hindered by the lingering effects of my previous message -- not my intent at all! MORAL: If you think enough of your opinion to write a review (and please do if you have some information to share), be fair enough to the developer of the product to let others know if features you listed as weaknesses are later corrected.

<continued on next page>

Regarding Handyman, the pop-up utility for CP/M Kaypros that uses no (that's 0) main memory: It has been improved!

In my previous message I noted that the calculator places commas in numbers over 999, thus making them unacceptable when exported (carried back with two keystrokes) to certain application program such as dBASE II and Perfect Calc. According to Bill Nesting of Flo Systems, that has now been corrected. In addition, the current version has been enhanced in other areas to operate faster (like the ability to re-enter a previously-opened appointment calendar or notepad with a single keystroke rather than having to retype the filename each time) and with less effort.

Now comes the icing on the cake... Try to imagine having the capabilities of NewSweep (KUG Library disk #124) in ROM, available to you at any time, from within any applications program! And not even having to have it take up space on your disk! That capability is now part of Handyman ver. 1.3. Upgrades for previous owners are available for a nominal charge.

Another item previously mentioned as a shortcoming of Handyman was an incompatibility with another excellent program, Xtrakey. Although I had only been using Xtrakey for a short while when I installed Handyman on my Kaypro 2X, it had already become a part of my daily routine. Unfortunately, the two didn't work together. Xtrakey ran just fine until Handyman was invoked, but then Handyman wouldn't allow you to exit. Without attempting to contact Xpert Software for a fix (after all, it was Handyman causing the problem), I reverted to using Qwikkey 2.1 on my 2X (a poor substitute, but free). Then the April '86 issue of Profiles revealed that Version 2.4G or later of Xtrakey would work with Handyman. Excited by this news, I called Xpert Software to inquire about an upgrade. To my amazement, I was quoted a price of \$2.50 to upgrade to the latest version, and I didn't even have to go to the trouble of returning the master disk of the previous version!

It took a few days to get the update, but when it arrived, not only did it work as promised, it had been improved! I couldn't believe it, but with a pop-up window for defining keys to avoid ghost images on the screen, it's now better than it was before. If you're looking for a key definition program, try Xtrakey -- it's simply the best.

## Vendors

HARDWARE, SOFTWARE FOR ALL KAYPROS

from

Simsim, Inc.

214 North Main Street  
Natick, MA 01760

PORTABLE HARD DISK

from

Systems Peripherals Consultants

9747 Business Park Avenue  
San Diego, CA 92131

SPEECH SYNTHESIZER BOARD

from

RFJ Engineering

PO Box 4166  
Sanford, FL 32771

HIGH-RESOLUTION GRAPHICS ADD-ON

from

Echelon, Inc.

885 N. San Antonio Road  
Los Altos, CA 94022

UNINTERRUPTED POWER SUPPLY

from

Lumitrol

110 Bi-County Blvd.  
Farmingdale, NY 11735

SURGE PROTECTORS; PRINTER BUFFERS

from

Fourtron, Inc.

PO Box 7021  
Canton, OH 44705

DESKTOP, LINE PRINTERS; TELEPRINTERS

from

Genicom Corporation

One General Electric DRIVE  
Waynesboro, VA 22980-1999

TEXT, GRAPHICS, PICTURES SCANNER

from

Atlantic Business Computers Inc.

300 Garden City Plaza  
Garden City, NY 11530

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The Vendors column is not advertising. We list as many vendors as space allows.

These listings in no way represent the endorsement of KUG, Inc.



## Library

101 PAC-MAN & CHESS (Games)  
 102 ELIZA & GOLF & MISC. GAMES  
 103 MODEM795 for tel. comm. (Modem)  
 104 HELP CP/M, MBASIC + Others (Helps)  
 105 UTILITIES 1  
 106 ADVENTURE (Games)  
 107 STATISTICS  
 108 MBASIC MYSTERY (Games)  
 109 UTILITIES 2  
 110 POSTER PRINTOUTS (Pictures)  
 111 KAYPRO 10 GRAPHICS  
 112 HELP PERFECT, SBASIC, Etc. (Helps 2)  
 113 SBASIC & MBASIC (Business)  
 114 LITTLE BLACK BOOK (Directory)  
 115 STAR TREK + 15 MBASIC GAMES  
 116 MULTI-FORMAT DISK FOR K II, IV & 10  
 (Multi-format disk runs on CP/M only.)  
 119 CONCENTRATION + 15 MBASIC GAMES  
 120 HP CALCULATOR + MISC.  
 121 STANDARD FORTH (Language)  
 122 SOURCE FOR FORTH (Language)  
 123 WP & PC UTILITIES  
 124 UTILITIES 3  
 125 HANDY (Time Management)  
 126 ASTRONOMY (Science)  
 127 PC & PW UTILITIES  
 128 KAREL THE ROBOT (Language)  
 129 MONOPOLY + MBASIC GAMES  
 130 MASTER CATALOG (Catalog)  
 131 LOGO GENERATOR/EPSON (Business)  
 132 SUPER UTILITIES 4  
 133 STATISTICS 2  
 134 STATISTICS 3  
 135 STATISTICS 4  
 136 STATISTICS 5  
 137 STATISTICS 6  
 138 FRANKENSTEIN (Game)  
 139 LITTLE BLACK BOOK (MBasic update)  
 140 FILE CARD DATABASE  
 141 K10 HARD DISK UTILITIES  
 142 ACCOUNTING PACKAGE (Business)  
 143 DISK MANAGER + (Utilities)  
 144 WORD PROCESSING + (WP Utilities)  
 145 TYPE & MATH—MBASIC (Educational)  
 146 UTILITIES 5  
 147 PF & WP UTILITIES  
 148 SCREENWRIGHT (Format)  
 149 VEGAS (Games)  
 150 MONEY MANAGEMENT (Business)  
 151 OUTLINE (Business)  
 152 SUPER LABELS PROGRAM (Utilities)  
 153 FLIGHT FANTASY (Games)  
 154 UTILITIES IN PASCAL  
 155 TELE/DEVICE/DEAF (Modem)  
 156 MEX II (Modem)  
 157 RCPM REVEALED (Modem Utilities)  
 158 KREEP (Database System)  
 159 YANC (Catalog)

160 ULTIMATE MODEM (Modem)  
 161 K-4/84 UTILITIES 1  
 162 20 PRINTER P/W CONFIGS (Utility)  
 163 SIMPLE DATA BASE SYSTEM (DB Utility)  
 164 POOR MAN'S RCP/M (Modem Util)  
 165 EASY BOOKKEEPING (Business)  
 166 FAMILY TIES 1 of 2 (Genealogy)  
 167 FAMILY TIES 2 of 2 (Genealogy)  
 168 DJIPLLOT (Business)  
 169 DRAWFONT (Graphics)  
 170 BASIC ARITHMETIC PROG. (Educational)  
 171 FUNDISK  
 172 HANDY TOOL KIT (Utilities)  
 173 101 FAMOUS TIPS (Utility)  
 174 ADDRESS FILER (Database)  
 175 YAMS (Yet Another Mailing System)  
 176 TURBO PASCAL ROUTINES (I/O Tool Kit)  
 177 DIRECTORY/MENU UTILITIES (W/P)  
 178 BRADFORD & BRADCON (Printer Utility)

\* 179 DISKFUL OF FORM LETTERS VOL. 1  
 \* 180 DISKFUL OF FORM LETTERS VOL. 2  
 \* 181 DIET PARTNER

+ 701 PC-UTILITY & CATALOG (Utility)  
 + 702 CHESS & CASTLE (Games)  
 + 703 OUTER SPACE (Games)  
 + 704 PC-TALK (Modem)  
 + 705 PC-ACCOUNTING (Business)  
 + 706 SIDEWAYS (Printer Utility)  
 + 707 PCYEARBOOK (Business)  
 + 708 FULL SCREEN EDITOR (Editing Disk)  
 + 709 FAMILY TIES (Genealogy)  
 + 710 PC-WRITE (Word Processing)  
 + 711 ARCADE (Games)  
 + 712 PC-SING ALONG (Music)  
 + 713 COMPU-TEACH (Education)  
 + 714 PC-TOUCH (Education)  
 + 715 PC-FILE III (DB Management)  
 + 716 GRAPHICS I  
 + 717 GRAPHICS II  
 + 718 YAMS (Yet Another Mailing System)  
 + 720 BRADFORD & BRADCON (Printer Utility)  
 + 721 WILLISOFT LOCK & KEY (Utility)  
 + 722 FUNDISK

\*+ 723 DISKFUL OF FORM LETTERS  
 \*+ 724 PC-OUTLINE  
 \*+ 725 EDIT v1.20  
 \*+ 726 WORDSTAR UTILITIES  
 \*+ 727 DIET PARTNER

\* New Disk + MS-DOS disk

## Library Disk Orders

Disks are \$10.00 each, two for \$15.00, or four for \$25.00. Send check or money order to KUG Library, Box 100, Malverne, NY 11565.

## New Library Descriptions

179 and 180: *Diskful of Form Letters*: "Boiler-plate" business letters that can be edited with any standard ASCII word processor -- We acknowledge your check and order; Pay your delinquent account to avoid legal action; We have received your credit application, but...; We regret that we do not have a position open at this time that fits your abilities; Our assumption was our error; The warm reception you gave me was a delightful experience; Our appointment was written on my calendar but I thought it was scheduled for (day); Our Individual Financing service has been invented for individuals with an above average income and credit standing; We are sorry that you wish to end our sales agreement.

181: *Diet Partner*: Easy to customize series of programs to assist in weight reduction; compute ideal weight; figure number of calories per day you should consume to achieve and maintain your weight; figure number of calories in a recipe based on ingredients you enter; calculate calories burned by specific activities.

723: *Diskful of Form Letters*: MS-DOS version of 179 and 180.

724: *PC-Outline*: Outlining and planning program allowing random entry of information that can be organized into a hierarchical structure and viewed in many ways. With a single keystroke, you can go from viewing the lowest level of detail to a view that shows you only the highest, most important topics. With another few keystrokes, you can print the outline, send it to a file compatible with your word processor, copy it into another outline, or paste it directly into your word processor. PC-Outline is also appropriate for list making. Eight utility programs are included on the disk.

725: *Edit v1.20*: Text editor and word processor includes 50-page users' manual. Uses function keys (help, search and replace, insert, set defaults, etc.); provides for headers and footers, page size, tab stops, margins, right justification, spacing, word wrapping, and automatic paragraph reformatting.

726: *WordStar Utilities*: Supertyping; Strip underline from WS files; Remove high-order bits from WS; Printer patches; Function key redefinitions; Keyboard redefinitions; Number and unnumber paragraphs; Color and editing features.

727: *Diet Partner*: MS-DOS version of 181.

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If you are using your computer to type reports, write a book, or do any other type of writing, you should think about becoming a member of W/PUG.

Our newsletter, *SCROLL*, contains articles such as:

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## WordStar by Chiang

### HEADERS AND FOOTERS

A common format requirement for reports and manuscripts is that each page have a header or a footer, that is, a line at the top or bottom of the page giving the title or subject heading, etc. Let's see how WordStar allows you to have these.

To create a header, enter at the top of your file the dot command ".he [blah blah blah]" or ".fo [ungle mungle]" for a footer. This will cause the title (or whatever) that you enter to be printed on each page of your file. You can enter another command later in the file for a different header/footer, but put it at the very top of the page on which you want it to begin.

Remember, since the dot command itself does not print out, the header will be printed four spaces left of where it appears on screen (the dot, the two letters, and the following space don't appear). You can insert spaces to center your heading, push it to the right side of the page, or simply fill up the entire line if you like.

Now just where does this line appear on the printed page? The header or footer lies within the top or bottom margins. Recall from the last issue that WordStar's default values for those margins were three lines and eight lines respectively, the uneven values due to the fact that your paper is probably rolled up a few lines when you position it in the printer. The precise position of the header depends on the header margin, which has a default value of two. This means that two blank lines separate your heading from the top of your text; since the top margin is only three lines in total, the heading itself is printed right where the print head is when you position your paper. To adjust this, you can use ".mt" to alter your top margin, or ".hm" to alter the header margin.

Note that the heading line itself is counted as part of the top margin. For the footer margin, the command is ".fm" and it also has a default value of two.

Now what exactly can we have appear on the header or footer line itself? By default, there is a page number where the footer would be, but that is eliminated if a footer is actually defined. If you want to have the page number printed, in either the header or the footer, enter the character "#" in the line. At print time, that will be replaced by the page number.

If you want the actual number sign to be printed, enter the backslash character and the number sign. (For instance, "Page \##" would result in "Page #15" to appear on your page.) If you want sub-numbering of the pages of each chapter, you could use ".pn 1" at the beginning of each chapter, and then something along the lines of ".he Page 11-#"; this would give you "Page 11-1" and so on throughout your chapter eleven.

A special feature allows you to print a heading on the left side of even-numbered pages, and on the right side of odd-numbered pages (just like in books). Enter Ctrl-P Ctrl-K, which will insert a ^K, after the ".he" commands. Then on the right side of the line print your heading (like "Chapter Six"). When printing even-numbered pages, WordStar will delete all the spaces between the ^K and the heading, so that it will appear on the left side of the page. This is not terribly useful for ordinary printouts, but if your pages are going to be mimeographed, photocopied, etc. into double-sided bound sheets, it can be attractive.

A common complaint about WordStar's headers and footers is that they can be only one line long. There are a few ways to get multi-line headers, but they are not easy. One way, suggested in the Jan-Feb '86 KUGRAM, is to use WINSTALL and define one of the customizable print commands (for instance, Ctrl-P Ctrl-R) to insert a carriage return. Then, the command ".he [1st line] ^R [2nd line]" would give you a two line header. Note that you must define your page to be shorter because the print head has moved down an extra line without realizing it.

Another method uses a modified subscript roll. You enter ".sr 8" to make a subscript a full line below the main line of text. Then you imbed a series of ^H's in the line. This is the print control command for backspacing, and enough of them will move the printhead back to the left margin. Your header command will look like this: ".he [1st line] ^V ^H ^H ^H etc. [2nd line] ^V." Thus, the second line of the header is actually a long, backspaced subscript. Since the header line does have a length limit, you may want to again customize a print control command to imbed four ^H's, reducing the number of characters required to move back to the left margin.

This method requires more work, but you don't have to redefine your page length, since the print head returns to its original position.

## In Response

...Re the fabrication of a null modem cable: A cable can be connected between two RS232C connectors by wiring:

pin 1 to pin 1  
pin 2 to pin 3  
pin 3 to pin 2  
pin 4 to pin 5  
pin 5 to pin 4  
pin 7 to pin 7  
pins 6 and 20 to pin 8  
pin 8 to pins 6 and 20.

For batch transfer, type SB \*.\* <CR> on the transmitting computer, and RB \*.\* <CR> on the receiving computer. [Thanks to Jim Botsford of the CP/M Houston Tribune, quoted in SMUGletter.]

...A review of potential video display terminal hazards by the National Council on Compensation Insurance has found that VDT's pose no scientifically proven health hazards for workers, though they may contribute to stress and other ergonomic concerns.

...You can read the KUG library SSDD disks on a Kaypro 4 or a Kaypro 10. Put a blank sysgened, formatted disk with PIP on it in drive A, and into drive B put the SSDD disk. Do not sysgen the library disk. At the A> prompt type: PIP a:=b:\*. \* and all the files on the library disk will be transferred to the disk in drive A. Put away the SSDD disk.

...You may find that a particular brand of diskettes gives you trouble: bad sectors; hard to format; lost data. Diskettes cannot be judged on the basis of price alone. Some characteristics of a good disk: 1) Highly polished finish; 2) The jacket opening around the elongated hole (where the head reads the data) should be free of hairs or fibers; 3) The disk should lie flat when on a level surface, without the slightest buckling; 4) The jacket should be firm.

...The best way to send disks by mail is to use commercial boxes made for the purpose. If such a box is unavailable, sandwich the disk between two pieces of sturdy cardboard and wrap securely. Make sure the package cannot be bent. DO NOT enclose disk in aluminum foil, as doing so may destroy data.

## MS-DOS Stuff

Your MS-DOS working disk contains one of the most important files used to back up files from a fixed or hard disk. It is named BACKUP.

BACKUP.EXE is a non-resident file and should be on the root directory of your disk.

You can use BACKUP to back up all your files to floppy disks in drive A by typing:

BACKUP A:

If you want to back up all your files in a directory, including all the subdirectory files, you can use the /S switch by typing:

BACKUP \<directory name> A:/s

Perhaps you prefer NOT to back up doc files that have not been changed since the last backup. In that case you can use the /M switch by typing:

BACKUP \*.doc A:/m

You can also back up files by date. Using the /D switch, type:

BACKUP \ A:/d:11-15-86

This will back up all files created or modified ON or AFTER November 15, 1986.

There is also a very interesting switch which stops you from overwriting or erasing an existing file on the floppy disk on drive A:. It is the /A switch and is used by typing:

BACKUP \ A:/a

You can use this switch to back up individual files to an already backed up single disk. There is no warning displayed, but if a file with the same name is being transferred, it is given an extension of 001. If you back up the file again, it is given the extension of 002 and so on.

So, as you can see, there are many ways to back up your files. Remember, the switches are:

/s ... to back up all subdirectories.

/m ... to back up all modified files.

/d ... to back up all modified files after date.

/a ... to prevent files from being erased.

In the next issue we will learn how to restore the files from the floppy disks.



## dBASE Tutorial #1

by Arlene Smith

dBASEII brought mainframe-like database management power to the microcomputer. Ferocious in its power, daunting with its "dot prompt," cryptic in its manual and on-line "help," dBASEII almost dares you to tackle it. Well, as they say, "Darers go first..."

A database is a file or group of related files created and used to store data and retrieve information. We'll create a database for names and addresses that will allow eventual linking to related files.

First, we'll prepare dBASEII working and data disks.

If you use a hard disk and:

...CP/M -- set up a user area for dBASEII.  
...MSDOS -- create a dBASEII subdirectory.

If you use a two-floppy system: Format two disks (one for dBASE, one for your data).

If you use a one-floppy system: Format one disk.

Copy the dBASEII files from the original disk to the appropriate user area, subdirectory or floppy disk.. Then put your original disks away.

The keying-in conventions we'll use are:

<ENTER> = press named key(s)  
<TEXT> = enter this text.  
<text> = enter appropriate text.  
Do not enter the brackets -- < or >.

Now, log to the correct user area or subdirectory, or insert your dBASEII working disk in the proper drive.

At the system prompt: <DBASE>. The dBASEII copywrite notice and the version number will appear. If you see "Enter date," <mm/dd/yy> <ENTER>. A screen line or so down, you will see the infamous "dot prompt" and a blinking cursor awaiting your instructions.

If you plan to keep your data files on a drive other than the dBASEII log-in drive:

<SET DEFAULT TO drive:>

Now, we'll tell dBASEII we're ready to define a brand new database file: If you make errors, backspace to erase them, then retype.

<CREATE NAMES><ENTER>

If you forget to type the filename (in this case, NAMES), you will see "ENTER FILENAME TO CREATE." Enter the name, then <ENTER>.

You will see:

FIELD NAME,TYPE,WIDTH,DECIMAL PLACES  
001 \_

<FIRST,C,15><ENTER>  
<LAST,C,15><ENTER>  
<ADDRESS1,C,15><ENTER>  
<ADDRESS2,C,15><ENTER>  
<CITY,C,10><ENTER>  
<STATE,C,2><ENTER>  
<ZIP,C,10><ENTER>  
<IDNUM,C,4><ENTER>  
<ENTER>

The last <ENTER> told dBASE that you have entered all the fields you need for this file.

You will now see "Input data now?" Respond <N> -- we won't enter data now. You will be returned to the dot prompt.

Let's see if dBASE saved our file:

<DISPLAY FILES> (Upper or lower case will do). You will see:

DATABASE FILES # RCDS LAST UPDATE  
NAMES .DBF 00000 09/07/86  
(Any other dBASE .DBF files).

Notice the ".DBF" extent that dBASEII automatically added to the file name. There are no records in the file. dBASEII lists the system date on which you last made changes to the file.

Now, let's see what our file looks like:

<DISPLAY STRUCTURE>

You will see:  
STRUCTURE FOR FILE: B:NAMES.DBF  
NUMBER OF RECORDS: 00000  
DATE OF LAST UPDATE: 09/07/86  
PRIMARY USE DATABASE  
FLD NAME TYPE WIDTH DEC  
(The list of your fields)  
Total 87

Each record in your file will use 87 bytes (characters).

To end this session, <QUIT>. Next time, we'll add another field and enter some data.

## Kaypro Tech Notes

--The new serial port on the Kaypro PC is more than just a gender change. The new pinouts are the same as on the 286i:

| PIN | SIGNAL              |
|-----|---------------------|
| 1   | Carrier Detect      |
| 2   | Receive Data        |
| 3   | Transmit Data       |
| 4   | Data Terminal Ready |
| 5   | Signal Ground       |
| 6   | Data Set Ready      |
| 7   | Request to Send     |
| 8   | Clear to Send       |
| 9   | Ring Indicator      |

--The RAMDISK.BIN file used to set up a RAM drive on the Kaypro PC has been replaced by the VDISK.SYS file. In addition, MS-DOS 3.2 users also have RAMDRIVE.SYS which, like VDISK.SYS, can be used to create a RAM disk. For details, see the MS-DOS 3.1 User's Guide and User's Reference (or the 3.2 Update).

--If you have installed a 3.5 inch drive in your Kaypro PC, make sure you are using MS-DOS 3.2. You also need to create a CONFIG.SYS file in your ROOT directory to instruct the system that you are using a different drive. At the C:\> type the following:

C:\> EDLIN CONFIG.SYS <CR>  
\*I <CR>  
1:\*DRIVPARM=/D:1F: <CR>  
2:\*Ctrl-C <CR>  
  
\*E <CR>

--The newer versions of the Kaypro PC multi-function boards have a different chip at U42: A 9239 floppy disk controller chip instead of the 9229. Upon first observation, you will note that pin 16 of this chip is sticking out of its socket. Pin 16 is left out as a test point and should not be placed in the socket. If it is inadvertently inserted, you will have no video and no drive access.

--If, after upgrading the RAM in a Kaypro 286i from 512KB to 640KB, you are getting only 512KB accessed, make sure that the jumper at J18 is either pulled off or moved back two pins to access the last 128KB. Some main boards for the Kaypro 286i's will access the last 128KB in the 640KB upgrade only by placing the jumper on the back two pins of J18.

## Sysop's Corner

By Frank Fallon

In addition to sponsoring KUGBBS, a message-only bulletin board system at 516/747-8308, KUG also sponsors the Kaypro Forum, or Kaypro SIG, on CompuServe. To use the Forum you need a modem and a CompuServe starter kit. [See KUG Services, p. 2 and Free CompuServe Upload Time, p. 4] for details. After you use the free time you will be billed at the rate of \$6.00 for 300 baud access or \$12.00 for 1200 baud access per hour between 6 PM and 8 AM. There is also an AT&T charge of 25 cents per hour.

Those who were not happy with slow and noisy packet switching networks a few years ago would be very much impressed with the improvement in CompuServe service. It now serves more than 300,000 subscribers in approximately 600 cities across North America and in 79 foreign countries.

In addition to adding more and better packet switching networks, CompuServe is constantly upgrading the software on its service. If you visited some time ago, take another look at the everchanging and much improved CompuServe.

CompuServe Information Service (CIS) has more than 1,000 different databases. The service is now very much a vast electronic library featuring travel, news, weather, stock quotes and even airline reservations to name only a few of the services available. The Kaypro Forum is just one of more than 100 SIGs or Special Interest Groups available through CIS. Over 20,000 messages have been entered in the Kaypro SIG, many of them to and from writers whose names you have seen not only in KUGRAM but other magazines. There are many programs and files in the SIG data libraries which can be run on various Kaypro computers. In fact, there are plans to expand the data libraries from 9 to 19 categories or sections.

Recently CIS began a policy whereby users were no longer charged for time spent uploading programs to the system. This has resulted in a great increase in the number of such programs.

If you are a teacher or education writer, you may be interested in a BBS I have just set up, CHALK-BBS, or CHALK BOARD -- 516/742-0064; available 24 hours; 300 or 1200 bps. There is a one-time \$5 fee for full access.



## Best of KUGBB

I am looking for Spanish-speaking Kaypro users and also for amateur radio operators who are interested in computers. My address is 2773 Middle Country Road, Lake Grove, NY 11755.  
—Miguel Mireles

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I continue to be surprised at the power of Perfect Writer. The other day I found another undocumented feature. If your cursor is in the middle of a line and you type Esc...0, then Ctrl-C, it deletes from the cursor back to the beginning of the line. (Ctrl-C normally deletes from the cursor to the end of the line.) Experimenting a bit, I found that the same thing works for deleting a sentence. Esc...K deletes from the cursor to the end of the sentence. Esc...0, Esc...K deletes from the cursor to the beginning of the sentence. Although WordStar excels at "what you see is what you get" because it shows page breaks, I much prefer PW for entering text, and these features reinforce my preference.  
—Bill Meacham

\*\*\*

Perfect Calc can switch your printer to compressed mode from within a spreadsheet, depending on your printer. I have an Epson MX-100 which uses Ctrl-O (aka CHR\$(15) or 0fh) to shift into compressed, and I was tired of starting work on a "normal" size spreadsheet that grew to need compressed mode before it could be printed. Here's how it works:

With the cursor (cell pointer) at cell a1, issue the command Ctrl-Xe (edit cell contents). If nothing is there, you will have to put at least a space in the cell before you can edit it. Once you are in edit mode, type Ctrl-X followed by the control character necessary to send your printer into compressed mode. Hit return, and your edited cell now contains your printer's control code as its first character. Note that this will cause the eXtended: prompt to show while editing if it takes too long to enter the second character. The results of this maneuver show up on the screen with the graphic equivalent of ~O embedded in cell a1. I have tried the same thing on my NEC printer (same command set as C. Itoh 8510) and found that I can embed Esc...Q (or any two character escape sequence) the same way. The screen display will not look correct at cell a1, but it should print correctly. (I can go back to normal print by embedding Ctrl-R in place of Ctrl-O).

Experiment with the codes for your printer — you will need to know the ASCII codes necessary to change modes rather than the decimal or hex codes — to see just how much you can do without leaving the spreadsheet, running a printer setup program, and reloading the spreadsheet. CAUTION: I would not advise trying to save a spreadsheet with the printer codes embedded.

Another solution would be to use Xtrakey, which has the capability of sending control codes directly to the printer from within an applications program.

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I've read numerous messages about the Kaypro clock (4'84 and later models) and even seen programs written that access the clock with one thing in common: they all suggest that the year can't be changed. Or at least not with the CLOCK.BAS program. Now it's time to reveal the secret:

Most of the Kaypros that came with the internal clock also came with a program called TIME.COM on their CP/M disk that isn't fully documented in the manuals (depending on which model you have).

It really doesn't need to be, since it has its own built-in documentation. If you've run the program by simply typing TIME<CR> at the prompt, you were probably greeted with the message HIT ANY KEY TO STOP TIME DISPLAY, followed by the time display with seconds ticking away.

If instead you type TIME-?<CR>, you will get:

Usage: time {hh:mm:ss} {-d mm/dd/yy}

By following this format, you can set the clock (when daylight savings changes or at the end of the year) much faster (and more completely) than by using the CLOCK.BAS program — run it for the usual visual effect instead!

—Carl Speed

\*\*\*

If you have a disk editor like SUPERZAP, you could look at the system tracks to find where the command names are stored, and then simply change the names. That won't actually disable the command, but it will free up the original names for use by transient programs.  
—Dav Vandenbroucke

## Chapter News

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Warren L. Miller, Prettyman Printers, 1825 Pasadena Avenue, Long Beach, CA 90806 is interested in contacting Kaypro users in his area.

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Our KUG chapter booklet is still available for a stamped, self-addressed business size envelope. If you wish to start a chapter in your area, you will find the booklet very helpful. It contains tips on contacting Kaypro owners, setting agendas, formulating by-laws, maintaining a library, and publishing a newsletter. Send your request to KUG Chapter Booklet, Box 100, Malverne, NY 11565.

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